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U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

MAY 28 1982

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

DPM 950-5

MANUFACTURER'S NAME

Turco Products, Inc.

EMERGENCY TELEPHONE NO.

(213) 634-3300

ADDRESS (Number, Street, City, State, and ZIP Code)

24600 South Main Street, Carson, Ca 90749

CHEMICAL NAME AND SYNONYMS

TRADE NAME AND SYNONYMS

Turco Descaler

CHEMICAL FAMILY

FORMULA

## SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS MIXTURES OF LIQUIDS, SOLIDS, OR GASES

	C.A.S. NUMBER	DOT SPILL CAT.	EPA WASTE NUMBER	%	TLV UNITS
Hydrochloric Acid	7647-01-1	D	D002	31	5PPM

Other components not defined as hazardous by U.S. Dept. of Labor.

Carcinogens per OSHA, 5/3/73

None

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	n	None	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.16
VAPOR PRESSURE (mm Hg.)		25mm	PERCENT VOLATILE BY VOLUME (%)	99
VAPOR DENSITY (AIR=1)	More than	1	EVAPORATION RATE (Bu, Ac, =1)	More than 1
SOLUBILITY IN WATER		Complete		
APPEARANCE AND ODOR	Clear, yellow liquid			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	None	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA	Non-flammable			
SPECIAL FIRE FIGHTING PROCEDURES	None			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

See Section II

EFFECTS OF OVEREXPOSURE

Skin: Moderate irritation & burns. Eyes: conjunctivitis and corneal damage. Ingestion: Burning of mouth, pharynx, esophagus, stomach.

Inhalation: Irritation of nose and throat.

EMERGENCY AND FIRST AID PROCEDURES Skin: Wash with soap and water. Remove contaminated clothing and do not wear them again until laundered or cleaned. Eyes: Flush with water at least 15 minutes. Obtain medical attention. Ingestion: DO NOT induce vomiting. Give milk or water. Obtain med. attn at once.

Inhalation: Remove to fresh air.

## SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

Strong alkalis and high temperatures

HAZARDOUS DECOMPOSITION PRODUCTS

Toxic and corrosive fumes of chlorine

HAZARDOUS

POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

CONDITIONS TO AVOID

X

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Avoid contact with skin and clothing. Neutralize acidity, absorb liquid on inert material. Place in sealable containers.

WASTE DISPOSAL METHOD

Neutralize acidity. Dispose in accordance with Federal, State and local regulations.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Fresh air mask

VENTILATION

LOCAL EXHAUST

X

SPECIAL

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

Rubber

EYE PROTECTION

Chemical goggles

OTHER PROTECTIVE EQUIPMENT

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Transport and store in closed containers at temperatures between 30°F and 130°F.

OTHER PRECAUTIONS

Use with adequate ventilations.